

Title (en)  
ELECTRET FIBER SHEET

Title (de)  
ELEKTRETFASERFOLIE

Title (fr)  
FEUILLE DE FIBRES D'ÉLECTRET

Publication  
**EP 3553214 A4 20200805 (EN)**

Application  
**EP 17879116 A 20171204**

Priority  
• JP 2016238294 A 20161208  
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Abstract (en)  
[origin: EP3553214A1] The present invention provides an electret fiber sheet having superior recovery of airflow volume by heat treatment and having high air permeability. The electret fiber sheet of the present invention is a nonwoven fabric formed from long fibers that are formed from a thermoplastic resin and have an average single fiber diameter of 0.1 to 8.0  $\mu\text{m}$ , wherein a bulk density of the nonwoven fabric is 0.05 to 0.30 g/cm<sup>3</sup> and the long fibers contain a crystal nucleating agent at 0.005 to 1.0% by mass.

IPC 8 full level  
**D04H 3/007** (2012.01); **B01D 39/16** (2006.01); **D04H 3/16** (2006.01)

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Citation (search report)  
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• [X] ALI KILIC ET AL: "Aerosol filtration properties of nucleating agent containing electret filters", POLYMER ENGINEERING AND SCIENCE., vol. 54, no. 7, 1 July 2014 (2014-07-01), US, pages 1533 - 1539, XP055709290, ISSN: 0032-3888, DOI: 10.1002/pen.23693  
• See also references of WO 2018105546A1

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